Associative Container Practical Exercises

Copyright © James Raynard 2021

std::set example

- Write a program that creates an std::set object and populates it
- What happens if a duplicate element is inserted? Make sure your program handles this case correctly
- Modify your program so that it erases an element, then inserts a new element with the same value as the erased element

Copyright © James Raynard 2021

std::map example

- Write a program that creates an std::map object and populates it
- Use the subscript syntax to modify an existing element in the map
- Use the subscript syntax to add a new element to the map
- After each of the above operations, display the elements of the map
- Use the find() member function to retrieve an element from the map and print it out

Copyright © James Raynard 2021

std::multiset example

- Write a program that creates an std::multiset object, populates it and prints out all the elements
- What happens if a duplicate element is inserted?

Copyright © James Raynard 2021

std::multimap example

- Write a program that creates an std::multimap object, populates it and prints out all the elements
- What happens if a duplicate element is inserted?

Copyright © James Raynard 2021